GENERAL AND REVENUE SECRETARIAT.

1904-5

(Gen Misc)

File No. 84 of 04/5

Serial Nos. (1—11)

Papers Filed.

Month October 04

SUBJECT.

Specification of an invention of Chucks & tool holders for rock-drilling Machine

Previous References.	Later References.
	G. 01. 121 of 1908-09 Sls 1-4 F. Oct 08.
	" 1610-12 Sls 1-4
	Pur. 169-13. Sls 1-4
	Gen. 269-17 Sls 1-3

G.R.S. 11] 1904.

GENERAL AND REVENUE SECRETARIAT.

(Gen. Dis.)

NOTES.

G.M. File No. 84 of 04.

FILE HEADING.

Specification of an invention for "Improvements in chucks or tool holders for rock drilling machines."

From

De Penning & De Penning, European Asylum Lane, Calcutta.

No. — Dated 4.8.04 Received 8.8.04.

Diary No. 696 | Enclos. 3 | Spare Copies. - | Serial No. 1

BRIEF ABSTRACT OF LETTER.

Forwards an application from William Charles Stephens of the "Climax" Drill Works, England, 4/11.6.04, for leave to file a specification of an invention for "Improvements in chucks or tool holders for rock drilling machines," & also forwards the fee thereon of Rs 10/-.

NOTES AND ORDERS.

The application will be forwarded to the State Geologist in Mysore for report under Sects 6 of the Inventions & Designs Reg[x] XI of 1894.

The fee of Rs 10 received will be sent to Mysore Treasury.

Drafts put up for approval

W.S. 10.8.

NOTES—First sheet. 9/8/04

MGCPB—5,000—18-5-04

General and Revenue Secretariat.

G. R. File No. 84 of 1904-05

Serial No.	
	These are issued 8/15 — Lodee — 15.8.04 Draft Letter & 15.8.04
1.	~~To the Officer-in-charge State Treasury~~
2	2) To the State Geologist: No. 1000-84-2 of 14th Aug 1904. — Forwards for report the application for leave to file the specification referred to above
3.	3) To the Officer-in-charge of State Treasury. No. 1001-84-3 of 14. 8. 04. 4) Forwards Rs 10/- being the amount received from Messrs Dewsnup & Dewsnup on account of fee for leave to file a specification
4	5) From the Officer-in-charge State Treasury. No. 66 of 18. 8. 04. Acknowledges the receipt of Rs 10/- Sent with this Office No. 1001-84-3 of 18. 8. 04. 6) This may be filed. 20/8/04 To Registrar) 20 Aug 04

Note—Contn. sheet.

4

General and Revenue Secretariat.

G. M. File No. 84 of 1904–05

Serial No. 5

7) From the State Geologist in Mysore. No. 56-G. of the 22nd Aug: 1904. Reports on the application of Mr. William Charles Stephen & recommends that the leave applied for may be granted.

8) Draft order authorizing the applicant to file a Specification is put up for approval. Subd. D. Mc Ivy.

M. Sonnenschmidt 1.IX.04.

D.S. 31/8/04 BG

To the Govt. Secy) & the Dewan

Draft Passed & 3.9.1904

6. 9) To De Penning & De Penning, Calcutta, No. G. 1386-84 dt. 6.9.04. – Authorizing Mr. William Charles Stephen to file the Specification referred to.

7. 10) From De Penning & De Penning, dated 12.9.04. – Submit the Specification of Mr. William Charles Stephens & the fee thereon of Rs 30/- & request that the Certificate may be sent to them in due course.

11) Rs 30/- received with the above has to be sent to the State Huzur Treasury

MGCPB—10 000—13-5-04

G.R.S. 12]

General and Revenue Secretariat.

G. M File No. 84 of 1906-05

Serial No.

for being credited to Govt.

12 A Notification has to be published in the Gazette and a copy thereof has to be sent to Mr. W. C. Stephens thro' messrs De Penning & De Penning, together with the order in the case, after duly filling up the Certificate at the foot of it.

Submitted with 4 drafts (two each) M. Sreenivasulu 25. IX. 04

(returning the P.O. pass book. and 20/9/04 Dft To the Revenue Secy for Secy)

Draft letter 25.IX.04

8. Notification No. G 1849 of 1st Oct. 04 that the Specification of this invention has been filed for inspection after the prescribed application & fee. (Gen. 84-8)

9. To Messrs De Penning & De Penning forwarding the above Notification (No 1866-84-9 dt 3-10-04)

10. To Officer in Chg State Treasury No. G 1867-84- forwarding Rs 30/ recd from them for filing Specification

MGCPB—10,000· 31-8-04.

G.R.S. 12]

General and Revenue Secretariat.

6

File No. 82/ of 1904

Serial No.	
11	Acktt. no. 125 of 4th instant from the Offg. Colr. of State Hugm Treasury for the 30 Rs sent as above. Subd for orders. This acktt. has to be simply filed. R. L. M. 6/10/04 J. [illegible] The Dy: Secy:

File 6/10/04

E—Contn. sheet.

MGCPB—10,000—31-8-04.

Diary No. 696.

32 European Asylum Lane

Calcutta

~~26th July 1904.~~
4th August 1904

To

The Secretary to the Govt: of Mysore

Gen: and Rev: Departments

Bangalore.

Sir,

We beg to enclose an application from William Charles Stephens of the "Climax" Drill Works, Carn Brea, in the County of Cornwall, England, Engineer dated the 11 th day of June 1904. for leave to file a specification of an invention for "Improvements in chucks or tool holders for rock drilling machines"

We also forward the fee thereon of Rupees ten (10) and shall feel much obliged by the order granting leave to file t the specification being sent to us in due course.

The Power of Attorney is herewith forwarded.

We have the honour to be

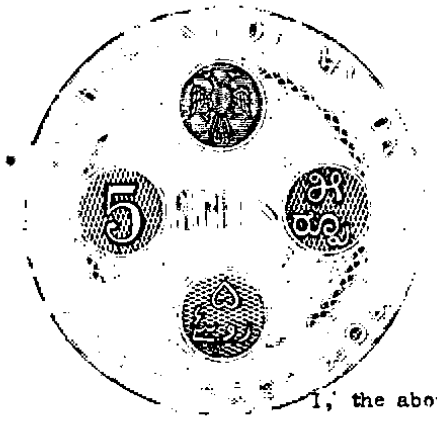
Sir

Your most obedient servants

DePenning & DePenning

DePenning & DePenning,
European Asylum Lane,
Calcutta.

GENERAL PATENT OFFICE
G.F. REDFERN & Co
ESTABD 1850
4, SOUTH STREET, FINSBURY, LONDON.



In the matter of the Inventions and Designs Regulation, 1894, of the Government of Mysore and in the matter of William Charles Stephens, of The "Climax" Drill Works, Carn Brea, in the County of Cornwall, England, Engineer, an Inventor.

I, the above named William Charles Stephens, do hereby retain, constitute and appoint Mr L. A. D'Penning of Messrs D'Penning & D'Penning, Patent Agents, Calcutta as my Agent and Attorney to apply for and obtain from the Government of Mysore, an Exclusive Privilege or Letters Patent for "IMPROVEMENTS IN CHUCKS OR TOOL HOLDERS FOR ROCK DRILLING MACHINES" and I authorize him to sign my name to such papers and writings and do such acts regarding the same, including the appointment of a substitute or substitutes, as may be necessary or expedient.

Dated this eleventh day of June — 1904.

Signed, Sealed and Delivered
at Camborne in the County of Cornwall
in the presence of

W. C. Stephens.

Alf. Butler, Solicitor, Camborne
Albert Sandoe, Camborne, Accountant.

G.R. F 84-04
S.R. 2

1904-05

From

Secy. to the Govt. of His Highness
the Maharaja of Mysore,
Genl. and Rev. Depts.

To

The State Geologist
in Mysore

Dated 17th
Despatched } Aug 1904.
Received

General No. G 1000-84-2
No.

ENCLOSURE No. 4

Has the honor to forward for favour of report under Section 6 of the Mysore Inventions and Designs Regulation XI of 1894, with its accompaniments, an application made by Messrs Deperning and Deperning of Calcutta, on behalf of Mr. William Charles Stephens, Engineer, England for leave to file a Specification of an invention for "Improvements in chucks or tool holders for rock drilling machines"

By Order
15.8.1904
Secretary

Copied
and sent
14/8

G. R. S. 29A
12/8/04

C. R. F. 84 of 04.
Rs. 3.

1904-05

From

Secy. to the Govt. of His Highness
the Maharaja of Mysore,
Genl. and Rev. Depts.

To
The Officer in charge of the
State Steam Treasury
Bangalore

Dated 15
Despatched } Aug 1904.
Received

General No. G.R. 01-84-3
No.

Enclosure No. Rs 10/-

I have the honor to forward herewith Rs 10/- being the application fee received from Mr. William Charles Stephen Engineer, England, through his Agents Messrs DePenning & DePenning of Calcutta, for leave to file a Specification of an invention for ~~"Invention"~~ "Improvements in chucks or tool holders for rock drilling machines", under Inventions & Designs Regn. XI of 1894 and to request an acknowledgment.

By Order

15/8/04

Secretary

G.R. S. 1904
13/8/04

Vc Cmr 15/10

66 / Diary 18. 920

Rs 10 17 -

Received from The Secretary to the Government of H. H. the Maharaja of Mysore General and Revenue Departments

sum of Rupees Ten only - being the application fee received from Mr. William Charles Stephens Engineer England, thro his agents Messrs. De Penning & De Penning of Calcutta for leave to file a specification of an invention for Improvements in Chucks or tool holders for rock drilling machines" under Inventions and Designs Regulation XI of 1894 + credited this day V. Lio No 6/10

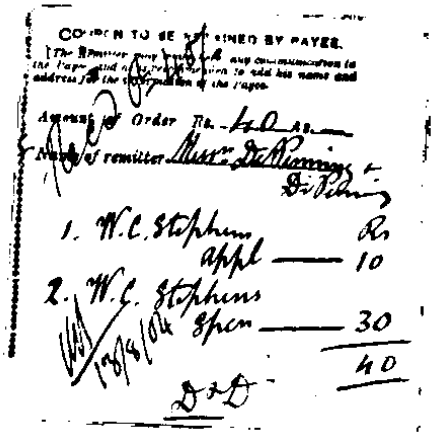
H. H. MAHARAJA'S STATE HUZUR TREASURY,
BANGALORE.
Exd. 18 - 8 - 1920

By Order,
for
in charge
Treasury Officer, State Huzur Treasury.

H. A. Asst.

By Deputy Treasurer

Money Order Coupon for Rs 40/-
received by the Cash Section from
Messrs Depenning & Depenning
on behalf of Mr. W. C. Stephens-


COUPON TO BE SIGNED BY PAYEE.

The Remitter may write [illegible] and communication in the paper and [illegible] to add his name and address for the completion of the paper.

Amount of Order Rs. 40 As.

Name of remitter Messrs De Penning & De Penning

1. W.C. Stephens Rs
appl —— 10
2. W.C. Stephens
18/4/04 Spcn —— 30
40
D&D

Rs 10/- to accompany Diary 696
of 1904—05-

Rs 30/- ——— Diary 697
of 1904—05-

N Subba Rao
13/8/04

G. M. F84 of 1904-5.
8 Q. 5.

Diary No. 1008

13

MYSORE GEOLOGICAL DEPT.

190

From

W. F. SMEETH Esq., M.A., A.R.S.M., &c.,
State Geologist in Mysore.

To

B. K. VENKATAVARADA IYENGAR, Esq.,
Secretary to Government,
General and Revenue Depts.

Dated 22nd. August 1904.

Despatched

Received

General No. 56-G.
No.

Enclosure No. 3.

Has the honour to acknowledge the receipt of his docket No. G. 1000-84-2, dated 17th August 1904, enclosing for report an application on behalf of Mr. William Charles Stephens for leave to file a specification of an invention for " Improvements in chucks or tool holders for rock drilling machines", and to state that the said invention presents several novel and useful points. The invention is suitably described and mechanically feasible and offers a novel and simple method for gripping the shafts of tools used with rock drills.

2. The undersigned therefore recommends that the leave applied for be

be granted.

3. The papers forwarded for report are herewith returned.

State Geologist in Mysore.

C.S.

C.R.F. 84 of 04-05
SL 2. 6

GOVERNMENT OF MYSORE

General Department

Register No. 9/1386 of 1904
94-6

Bangalore, the 6-9- 1904.

WHEREAS an application, dated the Eleventh day of June 1904 and received on the Eighth day of August 1904, has been submitted under Section 5 of the Mysore Inventions and Designs Regulation, 1894, by Mr. William Charles Stephens, Engineer, of the "Climax" Drill Works, Carnon Brea, in the County of Cornwall, England, (hereinafter referred to as "the applicant") for leave to file a specification of an invention for "Improvements in chucks or tool holders for rock drilling machines".

And whereas the applicant has duly complied with all the requirements of Section 5 of the said Regulation;

The Government of Mysore are pleased, under Section 6 of the said Regulation, to authorize the applicant to file a specification of the said invention in accordance with the provisions of the said Regulation.

ORDERED, that the applicant be, and he is hereby, informed accordingly.

By Order of the Government of Mysore,

3.9.1904

Secretary to the Govt. of Mysore,
Gen. and Rev. Depts.

Draft
ns
31/8/04 Copy checked 3/9
Secy

4 drafts

Certified that the fees prescribed in the fourth schedule to the Mysore Inventions and Designs Regulation, 1894, in respect of the application for leave to file the said specification and of the filing thereof have been paid by the applicant, and that the specification hereinbefore described has been duly filed in accordance with the provisions of Section 8 of the said Regulation on this the Twentieth day of September 1904

25.9.1904

Secretary to the Govt. of Mysore,
Gen. and Rev. Depts.

Draft left
ns
21/9/04.

ESTABLISHED 1856.
De Penning & De Penning,
PATENT AGENTS.
F. M. Chart, Inst., P. A.
LONDON.
F. M. Australasian Inst., P. A.
MELBOURNE.

TELEGRAPHIC ADDRESS
DEPENNING, CALCUTTA.

32, European Asylum Lane,
Calcutta,
12th September 1904.

29.1282

To.

The Secretary to the Govt: of Mysore.
Gen: and Rev: Departments.
Bangalore.

Sir,

We beg to enclose under Order, dated 6th September 1904. Patent Registered No G 1586 of 1904, the Specification of William Charles Stephens, Engineer of the "Climax" Drill Works, Carn Brea, in the County of Cornwall, England, of an invention for " Improvements in Chucks or tool holders for rock drilling machines.
We also forward the fee thereon of Rupees thirty (30) and shall feel much obliged by the Certificate being sent to us in due course.
The order on this case is herewith returned.

We have the honour to be
Sir,
Your most obedient servant.

(16

(*Section 8 of the Inventions and Designs Regulation*, 1894.)

8. (1) If within six months from the date of an order under Section 6, Sub-Section (1), or within such further time, not exceeding three months, as the Government of Mysore, in its discretion, may, on cause shown to its satisfaction and on payment of the fee prescribed in that behalf in the fourth schedule, see fit to allow, the applicant causes a specification of his invention to be filed in manner by this Part required, and the fee prescribed in the fourth schedule in respect of the filing of the specification to be paid, the applicant shall, subject to the other provisions of this Part, be entitled to the exclusive privilege of making, selling and using the invention in the Territories of Mysore, and of authorizing others so to do, for a term of fourteen years from the date of the filing of the specification.

(2) But an exclusive privilege in respect of an invention of a new manufacture shall, notwithstanding anything in Sub-Section (1), cease, if the inventor fails to pay, within the time limited in that behalf by the fourth schedule, any fee prescribed in that schedule in respect of the continuance of the privilege

(3) If, nevertheless, in any case, by accident, mistake, or inadvertence, an inventor fails to pay any such fee within the time so limited, he may apply to the Government of Mysore for an enlargement of the time for making the payment.

(4) Thereupon the Government of Mysore may enlarge the time accordingly, on payment of the fee prescribed in that behalf in the fourth schedule, and subject to the following conditions, namely :—

(*a*) the time for making a payment shall not in any case be enlarged for more than three months ; and

(*b*) if any suit is instituted in respect of an infringement of the exclusive privilege committed after a failure to make a payment within the time limited for the making thereof and before the enlargement of that time, the Court disposing of the suit may, if it thinks fit, refuse to award or give any damages in respect of the infringement.

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1906. Patent

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According to my invention one portion of the chuck is made integral with the piston head and carries a half bushing, which can be readily renewed, and in conjunction with this half bushing I make use of a combined wedge and gripping pad, which is held in position by a U-shaped bolt, strap or stirrup which embraces the combined pad and wedge and is secured in the solid portion of the chuck, the employment of the combined wedge and gripping piece rendering the intervention of a loose piece between the wedge and the tool unnecessary .

To enable my invention to be fully understood I will describe the same by reference to the accompanying drawing, in which:-

Figure 1 is a side elevation, and

Figure 2 a plan of a chuck or tool holder constructed according to my said invention.

Figure 3 is a section on the line 3-3, figure 2.

Figure 4 is an end view of the chuck.

Figure 5 is a view of a detail.

a is the piston rod and b the part of the tool holder, preferably formed integral therewith, and which, for convenience of description, I will hereinafter refer to as the fixed part.

This fixed part, which is shown separately in figure 5, has formed in it a U-shaped recess c, the opposite sides of which are parallel, and into the bottom of this recess is inserted the half bushing d which, as shown, is provided with two lugs e, e which enter corresponding recesses f, f in the fixed part b and serve to retain the said half bushing in place. This half bushing is of such thickness that the axial line of the tool d^1

To all whom it may concern

Be it known that I, WILLIAM CHARLES STEPHENS, of The "Climax" Drill Works, Carn Brea, in the County of Cornwall, England, Engineer, am in possession of an invention for "IMPROVEMENTS IN CHUCKS OR TOOL HOLDERS FOR ROCK DRILLING MACHINES" and I, the said WILLIAM CHARLES STEPHENS do hereby declare the nature of the said invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement thereof, that is to say:-

My invention relates to chucks or tool holders for rock drilling machines.

In chucks or tool holders as heretofore constructed for rock drilling machines it has been usual to employ a gripping pad way and gripping pad or other loose piece and also a wedge for forcing the gripping pad on to the drill shank. This arrangement, however, is defective, in that when the tool is to be removed or changed the gripping pad or the like and the wedge usually fall out of place and have to be readjusted. Furthermore, the gripping pad way and gripping pad have usually to be shaped to correspond with the shape of the drills to be used. The chief object of my invention is to construct a chuck or tool holder which is adapted for receiving drills of round, octagonal, hexagonal or other shape with equal facility, and wherein the parts will not fall out of place, whereby the tools may be removed and replaced with greater facility than heretofore.

smaller end adjacent to the outer end of the tool holder so that, during the working of the drill, the momentum of the pad will tend to force it more tightly on to the drill.

With the arrangement hereinbefore described it will be understood that a tool having been inserted in position into the socket formed between the bushing d and the pad g, by driving the pad in the proper direction, the inclined surface h will cause the said pad to be wedged tightly on to the tool and thereby grip the same, and that the tool can be as readily loosened by driving the pad in the reverse direction.

The outer ends of the half bushing d and pad g may be tapered or chamfered to allow of the ready introduction of the drills.

In addition to the advantages before mentioned my invention possesses the further following advantages, as compared with drill chucks as heretofore constructed, that is to say, it comprises fewer pieces and is less expensive to manufacture; it is more readily and cheaply renewed, as, when worn, the half bushing d can either be replaced or packed up with a liner; and it is much more compact and describes a much smaller circle when rotating.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:

1. A chuck or tool holder, for rock drilling machines, one part of which is formed upon or permanently attached to the piston head, and the other part of which is a combined gripping pad and wedge which operates in conjunction with a strap or stirrup connected to the fixed part of the chuck, and obviates the necessity for employing a loose

lying upon it shall be in axial alignment with the piston.

g is the gripping pad which is formed with the surface h, inclined to the surface of the pad which comes into contact with the tool, so that it will act also as a wedge. This combined pad and wedge is adapted to enter between the parallel sides of the recess c in the fixed part, and to come directly into contact with the tool without the intervention of a separate piece.

It will be understood that the adjacent surfaces of the half bushing and gripping pad will be suitably shaped to receive the drills; in practice I prefer to form each with three sides of an octagon.

i is the U-shaped bolt, strap or stirrup which embraces the combined pad and wedge and which is passed through holes i^1 in the fixed part b and held in position by nuts j, j. This U-shaped bolt i may be of such width as to be clear of the half bushing d, as shown, or it may be narrower than the said bushing and pass through slots in the sides of the same, so as to hold the said bushing against endwise movement and thereby render the use of the lugs e, e and holes f, f unneccessary.

The pad g has formed upon it at its ends two ribs or lugs k, k^1, which serve for preventing the pad from becoming disconnected from the strap i and also afford a surface which may be readily struck with a hammer for tightening the wedge to secure the tool, or vice versa. The said pad is arranged with its

intervening piece between the tool and the wedge , substantially as described.

2. In a chuck or tool holder, for rock drilling machines, the combination of a fixed part upon the piston head provided with a removable half bushing, a strap or stirrup connected to the said part, and a combined gripping piece and wedge working through the said stirrup and prevented from slipping out of the same by lugs or projections thereon, or by other suitable means, substantially as described.

Witness -

(Sd/ William Charles Stephens

E. In. 584 of 04-05.
P. No. 8.

No. E 1842
E In. 84-8

MYSORE GOVT. GEN. & REV. SECRETARIAT,
Dated Bangalore, the 28th Sept. 1904.

NOTIFICATION.

(PATENT.)

The following specification of an invention has been filed in accordance with Sections 8, 9, 10 and 11 of Regulation XI of 1894 (The Inventions and Designs Regulations) and is open to inspection at the Mysore Government Secretariat on application to the Secretary to the Government of His Highness the Maharaja of Mysore, General and Revenue Departments, and on payment of a fee of one Rupee.

By "William Charles Stephens, Engineer of the "Climax" Drill works, Camborne in the County of Cornwall, England."

"Improvements in chucks or tool holders for rock drilling machines"

By Order,

29.9.1904
Secretary.

To

The Compiler, *Mysore Gazette*, for publication

Draft HN
V.S.
30/9/04

Copy by KR
Cyclostyled HV
30/9

G. Rs. A 84 of 04-05
Rs. Rs. 10.

25 4 Sept 1904-05

From

Secy. to the Govt. of His Highness the Maharaja of Mysore, Genl. and Rev. Depts.

To

The Officer-in-charge of the State Huzur Treasury Bangalore

Dated 3rd Octr. 1904

Despatched } Left 1504

Received }

General No. S. 1567-84 10,

No.

Enclosure No. Rs 30/-

Has the honor to forward herewith, Rs 30/- Thirty Rupees only, being the fee, received from Mr William Charles Stephens, Engineer, England thro' his agents, Messrs De Penning & De Penning of Calcutta, for filing a specification of an invention for "Improvements in chucks or tool holders for rock drilling machines" under Inventions and Designs Regn XI of 1894 & to request an acknowledgment.

By Order

29.9.1904

Secretary

Copy by Mr.

Regd. 29X

84 of 04
Rec'd

No. G/1866—84-9 MYSORE GOVT. GEN. & REV. SECRETARIAT,
Dated Bangalore, 12 Sept 1904

From

The Secretary to the Government of H. H. the Maharaja of Mysore,
General and Revenue Departments.

To

Messrs De Penning and De Penning
Patent Agents
32, European Asylum Lane
Calcutta

Sir,

With reference to your letter dated the 12th Sept 1904, I am directed to forward copy of a Notification No. G-1849-84-8 dated the 1—10 04, issued by this Government in regard to the invention filed by you under Regulation XI of 1894, (The Inventions and Designs Regulation).

The order granting permission to file specification is herewith returned, the certificate at foot, duly filled in and signed.

I have the honor to be,
Sir,
Your most obedient servant,

29.9.1904
Secretary.

Draft
N.S.
20/9/04

Copy with R.
20/9/04

G. H. File no 84/04 C.

Ser. no 11

G.R. F. 84 of 04-05
Ser 11

No. 126 Dated 5/4/05 No. 1645. Rs. 30/-

Received from The Secretary to the Government of His Highness the Maharaja of Mysore General and Revenue Departments the sum of Rupees Thirty only being the fee received from Mr. William Charles Stephens, Engineer England, through his Agents, Messrs De Penning and De Penning of Calcutta for filing a specification of an invention for "Improvements in chuck or tool holders for rock drilling machines" under Inventions and Designs Regulation XI of 1894 & credited on 4-10-04 Vide his memo 1867-84-

By Order, 30-10-04

H. H. MAHARAJA'S STATE HUZUR TREASURY,

BANGALORE, 4-10-1904
Exd.

Hd. Acctt.

Bakshi / Treasurer

~~Treasury~~ Officer in charge, State Huzur Treasury.

COUPON TO BE RETAINED BY PAYEE.

[The Remitter may write here any communication to the Payee, and he is recommended to add his name and address for the information of the Payee.

Amount of Order Rs. 30 As. —

Name of remitter Messrs. DeSampayo & DeSilva

Costs of W.C. Stephens
Specification — Rs 30

Rec'd 15/9/04

Please register and send V.P.

15/9/04

Not to be registered. It is unnecessary.

15/9

Then this may be simply kept in the file for the information of the Case Worker.

15/9